

score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

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Result No.	Score	Match Length	DB	ID	Query	Description
C	1	25	160	0	732	4 AF040955
C	2	20	160	0	2588	4 BIU15731
C	3	22	8	87	7	349
C	4	22	8	82	3	14569
C	5	21	4	82	3	94161
C	6	21	4	82	3	9
C	7	21	4	82	3	AC008372
C	8	21	4	82	3	164478
C	9	21	4	82	3	AC008372
C	10	21	4	82	3	184217
C	11	21	2	81	5	186552
C	12	20	2	77	7	193987
C	13	20	2	77	7	169900
C	14	20	2	77	7	159523
C	15	19	8	76	2	230419
C	16	19	8	76	2	49601
C	17	19	8	76	2	99886
C	18	19	8	76	2	109900
C	19	19	8	76	2	127917
C	20	19	8	76	2	147945
C	21	19	8	76	2	16686
C	22	19	8	76	2	170776
C	23	19	8	76	2	174129
C	24	19	8	76	2	188488
C	25	19	8	76	2	194228
C	26	19	8	76	2	194245
C	27	19	8	76	2	212624
C	28	19	8	76	2	29732
C	29	19	8	76	2	294754
C	30	19	8	76	2	211342
C	31	19	8	76	2	217320
C	32	19	8	76	2	24988
C	33	19	8	76	2	24987
C	34	19	8	75	4	119424
C	35	19	6	75	4	112043
C	36	19	6	75	4	121556
C	37	19	6	75	4	136159
C	38	19	6	75	4	136159
C	39	19	6	75	4	136170
C	40	19	6	75	4	154399
C	41	19	6	75	4	161408
C	42	19	6	75	4	163459
C	43	19	6	75	4	19191
C	44	19	6	75	4	195313
C	45	19	6	75	4	200434
C	46	19	6	75	4	202502

RHSU1T_1
AF040955/c
LOCUS AF040955
DEFINITION Bos indicus growth hormone receptor promoter and exon 1, partial sequence.
ACCESSION AF040955
VERSION AF040955.1
SOURCE G:277337
ORGANISM Bos indicus.
BOS INDICUS
Mammalia: Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia: Eutheria; Eutheria; Cetartiodactyla; Ruminantia; Bovera; Bovidae;
Bovidae: Bovinae; Bos

Pred. No. is the number of results predicted by chance to have a value

exon
5'UTR
BASE COUNT 77 a 72 n 106 g 94 t
ORIGIN /geno-GHR
Query Match 87.7% Score 22.8; DB 4; Length 349;
Best local Similarity 92.3%; pred. No. 50;
Matches 24 Contig number 1. Mismatches 2;
QY 1 CCTTCCTCAATGAAATTAAATTTCCTC 26
Db 259 CCTCGGGANAGCAATTCTTC 234
COMMENT

Center: Washington University Genome Sequencing Center
Center code: WUSC
Web site: <http://www.wustl.edu/bioinfo/genome>
Contact: submissions@wustl.edu

Project name: M_HAO33A16

COMMENT

Sequencing vector: M13; 0%
Sequencing vector: plasmid; 100%
Chemistry: Dye-primer ET; 0% of reads
Chemistry: Dye-primer BHQ; 100% of reads
Assembly program: phrap; version 0.990219
Consensus quality: 958 bases at least 0.40
Consensus quality: 9287 bases at least 0.30
Consensus quality: 11208 bases at least 0.20
Insert size: 20200; aqarose-tp
Insert size: 13768; sum-of-contigs
Quality coverage: 0.99 in 0.99 bases; aqarose-tp
Quality coverage: 1.16 in 0.99 bases; sum-of-contigs

* NOTE: This is a 'working draft' sequence. It currently
* consists of 9 contigs. The true order of the pieces
* is not known and their order in this sequence record is
* arbitrary. Gaps between the contigs are represented as
* runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence
* as soon as it is available, and the accession number will
* be preserved.
1 1015: contig of 1015 bp in length
* 1 1115: gap of unknown length

RESULT 4
AC125465/c
DEFINITION Mus musculus chromosome UNK clone RP23-33A16, WORKING DRAFT
SEQUENCE AC125465_1_G12159226?
HTG: HTGS_PHASE1; HTGS_DRAFT.
REFERENCE house mouse.
ORGANISM Mus musculus.
Mammalia; Eutheria; Rodentia; Sciurognathii; Muridae; Murinae; Mus.
AUTHORS McPherson, J.D. and Waterston, R.H.
TITLE The sequence of *Mus musculus* clone
JOURNAL Unpublished
2 (bases 1 to 14568)
McPherson, J.D. and Waterston, R.H.
Direct Submission
Submitted (16-JUN-2001) Genome Sequencing Center, 4444 Forest Park
Parkway, St. Louis, MO 63108, USA
COMMENT

Genome Center -----
Center: Washington University Genome Sequencing Center
Center code: WUSC
Web site: <http://www.wustl.edu/bioinfo/genome> Shm1
Contact: submissions@wustl.edu

Project Information -----
Center Project name: M_HAO33A16

COMMENT

Summary Statistics -----
Sequencing vector: M13; 0%
Sequencing vector: plasmid; 100%
Chemistry: Dye-primer ET; 0% of reads
Chemistry: Dye-primer BHQ; 100% of reads
Assembly program: phrap; version 0.990219
Consensus quality: 958 bases at least 0.40
Consensus quality: 9287 bases at least 0.30
Consensus quality: 11208 bases at least 0.20
Insert size: 20200; aqarose-tp
Insert size: 13768; sum-of-contigs
Quality coverage: 0.99 in 0.99 bases; aqarose-tp
Quality coverage: 1.16 in 0.99 bases; sum-of-contigs

* NOTE: This is a 'working draft' sequence. It currently
* consists of 9 contigs. The true order of the pieces
* is not known and their order in this sequence record is
* arbitrary. Gaps between the contigs are represented as
* runs of N, but the exact sizes of the gaps are unknown.
* This record will be updated with the finished sequence
* as soon as it is available, and the accession number will
* be preserved.
1 1015: contig of 1015 bp in length
* 1 1115: gap of unknown length

RESULT 5
AC020937/c
DEFINITION Homo sapiens chromosome 5 clone CIB-2293121, linear DNA 21-SU, 2001
SEQUENCE AC020937
VERSION AC020937.5 GI:15718535
KEYWORDS HTG.
SOURCE Homo sapiens.
ORGANISM Homo sapiens.
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
AUTHORS DOE Joint Genome Institute and Stanford Human Genome Center.
TITLE Direct Submission
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 94161)
AUTHORS DOE Joint Genome Institute.
TITLE Direct Submission
JOURNAL Submitted (22-JAN-2000) Production Sequencing Facility, DOE Joint Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA
REFERENCE 3 (bases 1 to 94161)
AUTHORS DOE Joint Genome Institute and Stanford Human Genome Center.

JOURNAL	FEATURES	COMMENT
REFERENCE	Submitted (10-AUG-2001) DOE Joint Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA	Location: "grailiers
AUTHORS	4 (bases 1 to 94161)	Source: "1_123495"
TITLE	Joint Genome Institute and Stanford Human Genome Center, Direct Submission	Organism: "Homo sapiens"
JOURNAL	Submitted (21-SEP-2001) DOE Joint Genome Institute, 2800 Mitchell Drive, Walnut Creek, CA 94598, USA	/db_xref "taxon:9656"
MATERIAL	On Sep 21, 2001 this sequence version replaced 41:15375144.	/chromosome="5"
DOCUMENT	draft Sequence produced by DOE Joint Genome Institute	/clone="JGI-4461"
	Quality: Phrap Quality >= 40 100% of sequence;	/contig="JGI-4461"
	Estimated Total Number of Errors is 0.	22922 < 25561 4 35659 4
	Sequence Content:	DATE STORED
	W1 1219 070845	37253 4
	Qualitative/Qualities	ORIGIN
SOURCES	1. 94161	2. 94161
	/organism "Homo sapiens"	3. 94161
	/db_xref "taxon:9656"	4. 94161
ASPE. COUNT	28999 4	5. 94161
ORIGIN	19265 c 18272 4 27627 t	6. 94161
Query Match	82.3%	7. 94161
best local Similarity	95.7%	8. 94161
Matches	22; conservative	9. 94161
TYPE	4 CCCAAATTAATTTCATTCCTC 26	10. 94161
RESULT b	AC008502A	11. 94161
DEFINITION	Homo sapiens chromosome 5 clone CTC 14251, complete sequence.	12. 94161
VERSION	AC008502	13. 94161
AUTHORS	AC008502 B G:14971159	14. 94161
ORGANISM	Homo sapiens	15. 94161
REFERENCE	Item sapientis	16. 94161
COMMENT	Mammalia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo; Hominidae; Homo; Mammal; Eutheria; Primates; Catarrhini; Hominoidea; Homo; Hominidae; Homo; sapientis	17. 94161
PROJECT	Primate Genome Project	18. 94161
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PIPER	1 (bases 1 to 123495)	263. 94161
PIPER	1 (bases 1 to 123495)	264. 94161
PIPER	1 (bases 1 to 123495)	265. 94161
PIPER	1 (bases 1 to 123495)	266. 94161
PIPER	1 (bases 1 to 123495)	267. 94161
PIPER	1 (bases 1 to 123495)	268.

TITLE: Direct Submission
 JOURNAL: Unpublished
 REFERENCE: 2 (bases 1 to 18665)
 AUTHORS: Worley, K.C.
 TITLE: direct submission
 JOURNAL: Submitted (29 MAY 2002) Human Genome Sequencing Center, Department
 of Molecular and Human Genetics, Baylor College of Medicine, One
 Baylor Plaza, Houston, TX 77030, USA
 AUTHOR: Worley, K.C.
 COMMENT: (bases 1 to 18654)
 direct Submission
 Submitted (23 JULY 2002) Human Genome Sequencing Center, Department
 of Molecular and Human Genetics, Baylor College of Medicine, One
 Baylor Plaza, Houston, TX 77030, USA
 on Jul 18, 2002 this sequence version replaced 91:21249271.
 Baylor - Baylor College of Medicine
 Baylor code: BCB
 web site: <http://www.bcm.edu/tm.htm>
 Contact: bsgc@bcm.edu
 Project Information
 Baylor clone name: CH20-122F14
 Summary Statistics
 Sequencing vector: plasmid;
 Chemistry: type terminator big dye; 100% of reads
 Assembly program: phrap; version 0.990.29
 Consensus quality: 129877 bases at least 0.40
 Consensus quality: 137213 bases at least 0.60
 Consensus quality: 141956 bases at least 0.20

 * NOTE: estimated insert size may differ from sequence length
 * (see http://www.tigr.org/tigrblast/tigrblast.html)
 * NOTE: This is a working draft! sequence. It currently
 * consists of 66 contigs. The true order of the pieces
 * is not known and their order in this sequence record is
 * arbitrary. Gaps between the contigs are represented as
 * runs of N, but the exact sizes of the gaps are unknown.
 * This record will be updated with the finished sequence
 * as soon as it is available and the accession number will
 * be preserved.
 *
 1095: contig of 1095 bp in length
 * 1096: gap of unknown length
 * 1196: 2207: contig of 1012 bp in length
 * 2209: 2407: gap of unknown length
 * 2308: 4492: contig of 1185 bp in length
 * 4493: 4592: gap of unknown length
 * 4593: 4680: contig of 1088 bp in length
 * 4681: 4780: gap of unknown length
 * 4781: 6298: contig of 1518 bp in length
 * 6299: 6398: gap of unknown length
 * 6399: 7792: contig of 1394 bp in length
 * 7793: 7892: gap of unknown length
 * 7893: 9857: contig of 1965 bp in length
 * 9858: 9958: gap of unknown length
 * 11366: contig of 1439 bp in length
 * 11467: 11466: gap of unknown length
 * 11467: 12793: contig of 1327 bp in length
 * 12794: 12893: gap of unknown length
 * 12894: 14385: contig of 1492 bp in length
 * 14385: 14486: gap of unknown length
 * 14486: 15552: contig of 1057 bp in length
 * 15553: 15652: gap of unknown length
 * 15653: 17523: contig of 1871 bp in length
 * 17524: 17623: gap of unknown length
 * 17624: 19424: contig of 1619 bp in length
 * 19424: 1946: gap of unknown length
 * 1946: 20706: contig of 1304 bp in length
 * 20707: 20806: gap of unknown length
 * 20807: 22586: contig of 1780 bp in length
 * 22587: 22686: gap of unknown length
 * 22687: 24952: contig of 2265 bp in length
 * 24952: gap of unknown length
 * 24953: contig of 3196 bp in length

25054: 27991: contig of 2049 bp in length
 27992: 27991: gap of unknown length
 27192: 27191: contig of 1955 bp in length
 29147: 29246: gap of unknown length
 29247: 30531: contig of 1285 bp in length
 30532: 30632: gap of unknown length
 32233: 32332: gap of unknown length
 32333: 33819: contig of 1457 bp in length
 33819: gap of unknown length
 33920: 33919: contig of 2185 bp in length
 36104: 36204: gap of unknown length
 36205: 36204: contig of 1205 bp in length
 37500: 37599: gap of unknown length
 37599: gap of unknown length
 37600: 39487: contig of 1867 bp in length
 39487: 39586: gap of unknown length
 41679: 41679: contig of 2103 bp in length
 41779: gap of unknown length
 41779: contig of 1788 bp in length
 43568: 43567: gap of unknown length
 46254: 46253: contig of 2386 bp in length
 46254: 46354: gap of unknown length
 46354: 48581: contig of 2248 bp in length
 48582: 48682: gap of unknown length
 50072: 50072: contig of 1391 bp in length
 50073: 50172: gap of unknown length
 50173: 51550: contig of 1318 bp in length
 51551: 51550: gap of unknown length
 51651: 53392: contig of 1442 bp in length
 53392: 53293: gap of unknown length
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 53393: 54985: gap of unknown length
 54986: 55085: gap of unknown length
 55086: 55086: contig of 1901 bp in length
 56987: 56986: gap of unknown length
 56987: 57087: contig of 2148 bp in length
 57087: 59334: gap of unknown length
 59334: 59335: gap of unknown length
 59335: 61169: contig of 1835 bp in length
 61170: 61169: gap of unknown length
 61270: 63869: contig of 2600 bp in length
 63870: 63969: gap of unknown length
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 67732: 67831: gap of unknown length
 67832: 70206: contig of 2174 bp in length
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 72725: 76702: contig of 3976 bp in length
 76702: 76801: gap of unknown length
 76802: 79346: contig of 2145 bp in length
 79346: 79447: gap of unknown length
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 82531: 85382: contig of 2752 bp in length
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 85482: 87759: contig of 2177 bp in length
 87759: 87760: gap of unknown length
 87760: 90866: contig of 3107 bp in length
 90866: 90966: gap of unknown length
 90966: 94513: contig of 3547 bp in length
 94513: 94614: gap of unknown length
 94614: 96947: contig of 2134 bp in length
 96947: 97048: gap of unknown length
 97048: 99687: contig of 2046 bp in length
 99687: 99788: gap of unknown length
 99788: 102906: contig of 3118 bp in length
 102906: 103006: gap of unknown length
 103006: 106489: contig of 3484 bp in length
 106489: 106490: gap of unknown length
 106490: 106596: contig of 3422 bp in length
 106596: 110012: gap of unknown length
 110012: 113367: contig of 3196 bp in length

RESULT 11

AC110785 LOCUS AC110785 113308 114407 gap of unknown length
DEFINITION Homo sapiens BAC clone RP11-57B17 from 4, segment, segment
ACCESSION AC110785 AC044831
VERSION 1
KEYWORDS IPRG
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Heterodontida; Primates; Catarrhini; Hominida; Homo.

REFERENCE 1 (bases 1 to 100987)
AUTHORS Sulston, J.E. and Waterston, R.
TITLE Toward a complete human genome sequence
JOURNAL Genome Res. 8 (1), 1097-1108 (1998)

REFERENCE 2 (bases 1 to 100987)
AUTHORS Wang, C., Haqulund, K. and Koziolowicz, A.
TITLE The sequence of Homo sapiens BAC clone RP11-45517
JOURNAL Unpublished (2001)

REFERENCE 3 (bases 1 to 100987)
AUTHORS Waterston, R.H.
TITLE Direct Submission
JOURNAL Submitted (15-FEB-2002) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
REFERENCE 4 (bases 1 to 100987)
AUTHORS Waterston, R.H.
TITLE Direct Submission
JOURNAL Submitted (15-FEB-2002) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA
REFERENCE 5 (bases 1 to 100987)
AUTHORS Waterston, R.H.
TITLE Direct Submission
JOURNAL Submitted (24 FEB 2002) Genome Sequencing Center, Washington University School of Medicine, 4444 Forest Park Parkway, St. Louis, MO 63108, USA

COMMENT On Feb 24, 2002 this sequence version replaced gi|18677616.

COMMENT Center: Washington University Genome Sequencing Center
Center code: WUGSC
Web site: <http://genome.wustl.edu>.
Contact: sapinst@wustl.edu
----- Summary Statistics
Center project name: H_NHOV55107
Drafting Center: WIRK

NOTICE: This sequence may not represent the entire insert of this clone. It may be shorter because we only sequence overlapping clone sections once, or longer because we provide a small overlap between neighboring data submissions.

This sequence was finished as follows unless otherwise noted:

SOURCE INFORMATION:
The RGC-11 human BAC library was made from the blood of one male donor, as described by Ueda, K., Kubo, T., Zhao, B., Frickegen, E., Tateno, M., Gatanese, J.J. and de Jong, P.J. (1998). An improved approach for construction of bacterial artificial chromosome libraries. Genomics 51:1-8. The clone may be obtained either from Research Genetics, Inc. (<http://www.resgen.com>) or Pieter de Jong and coworkers at <http://www.chori.org>.

MAPPING INFORMATION:
Mapping information for this clone was provided by Dr. John D. McPherson, Department of Genetics, Washington University, St. Louis MO. For additional information about the map position of this sequence, see <http://genome.wustl.edu/gsc>.

NEIGHBORING SEQUENCE INFORMATION:
The sequence of AC044831 has been incorporated into AC110785. The clone sequenced to the left is RP11-57B10, 2000 bp overlap; the clone sequenced to the right is RP11-43943, 2000 bp overlap. Actual start of this clone is at base position 34465 of RP11-57B10.

POLYMORPHISMS exists between AC110785 and AC044831.

FEATURES source

repeat_region 1..100987
/organism="Homo sapiens"
/db_xref="taxon:606"
/map="4"
/clone="RP11-45517"
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repeat_region 4910..5211
/rpt_family="Alu"
repeat_region 5274..5302
/rpt_family="AT rich"
repeat_region 5319..5621
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repeat_region 5634..5663
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repeat_region 5686..5758
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repeat_region 5997..6368
/rpt_family="Alu"
repeat_region 6407..6440
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repeat_region 6579..6598
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repeat_region 7028..7053
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repeat_region 7054..7380
/rpt_family="Alu"
repeat_region 9177..9632
/rpt_family="ERVL"
repeat_region 9937..10192
/rpt_family="L1"
repeat_region 10225..10888
/rpt_family="L2"
repeat_region 11315..11433
/rpt_family="L1"
repeat_region 11434..11512

Campobiano,A., Castle,A., Chueheli,M., Colangelo,M., Collins,S.,
 Cottamore,A., Finko,P., Harrellann,K., Hawar,K., May,T.S.,
 Dodge,S., Domine,M., Doyle,M., Ferreira,M., Flit-Hugh,W., Gage,D.,
 Galagan,J., Gardyna,S., Ginde,S., Goyte,M., Graham,L.,
 Grand-Pierre,N., Grant,G., Haas,B., Hefford,A., Horton,L.,
 Howland,J.C., Iliev,I., Johnston,R., Jones,C., Kafri,I., Karatas,A.,
 Kleir,I., Larey,K., Lamartine,P., Landers,P., Lebedev,I., Lechickij,I.,
 Levine,R., Liedtke,C., Liu,C., Locke,K., McDonald,J.F., Marquis,N.,
 McCarthy,M., McEwan,F., McEwan,F., McDonald,J., Marquis,N.,
 Meldrim,J., Menets,L., Mihova,T., Miranda,C., Milena,V., Morrow,J.,
 Murphy,T., Narf,I., Nirmi,H., O'Leary,T., O'Neill,F., O'Neill,I.,
 Pisani,C., Pollara,V., Raymond,C., Riley,P., Rossignol,P., Rötschke,D.,
 Roy,A., Santos,R., Schauer,S., Severy,P., Sperry,R., Subramanian,A.,
 Stange-Thomann,N., Strojnowicz,N., Subramanian,A., Talamas,T.,
 Testayeu,S., Theodore,T., Tirrell,A., Travers,M., Trujillo,T.,
 Vassiliev,H., Viel,R., Vo,A., Wilson,B., Wu,X., Wyman,D., Ye,W.J.,
 Yoush,G., Zainoun,J., Zimmerman,A., and Zody,M.
 direct submission
 Submitted (18-JUN-2003) Whitehead Institute/MIT Center for Genome
 Research, 320 Charles Street, Cambridge, MA 02141, USA
 On Oct 4, 2000 this sequence version replaced qid:8571742.
 All repeats were identified using RepeatMasker:
 Smit, A.F.A. & Green, P. (1996-1997)
<http://ftp.genome.washington.edu/RPM/RepeatMasker.html>
 Center: Whitehead Institute/ MIT Center for Genome Research
 Center code: WIBR
 Center clone name: 521_C_6
 Contact: sequence_submissions@genome.wi.mit.edu
 ----- project information
 Center project name: 110444
 Center clone name: 521_C_6
 Summary Statistics
 Sequencing vector: M13; M7815; 100% of reads
 Chemistry: dye-terminator Big Dye; 100% of reads
 Assembly program: Phrap; version 0.960731
 Consensus quality: 167250 bases at least 040
 Consensus quality: 162563 bases at least 030
 Consensus quality: 16497 bases at least 020
 Insert size: 165023; sum-of-contigs
 Quality coverage: 4.3 in 920 bases; sum-of-contigs
 as sum, as ir is available and the accession number will
 be preserved.
 * NOTE: This is a 'working draft' sequence. It currently
 * consists of 21 contigs. The true order of the pieces
 * is not known and their order in this sequence record is
 * arbitrary. Gaps between the contigs are represented as
 * runs of N, but the exact sizes of the gaps are unknown.
 * This record will be updated with the finished sequence
 * as soon as it is available and the accession number will
 be preserved.
 * 586: contig of 586 bp in length
 * 687: 686: gap of 100 bp
 * 1861: 1960: gap of 1174 bp in length
 * 1961: 3559: contig of 1593 bp in length
 * 3560: 3659: gap of 100 bp
 * 3660: 31851: contig of 28192 bp in length
 * 31852: 31951: gap of 100 bp
 * 31952: 33013: contig of 1062 bp in length
 * 33014: 33113: gap of 100 bp
 * 33114: 35199: contig of 2086 bp in length
 * 35299: 35299: gap of 100 bp
 * 35300: 36384: contig of 3085 bp in length
 * 38385: 38484: gap of 100 bp
 * 38485: 43409: contig of 4925 bp in length
 * 43410: 43509: gap of 100 bp
 * 43510: 48273: contig of 4764 bp in length
 * 48274: 48373: gap of 100 bp
 * 48374: 535158: contig of 4785 bp in length
 * 53159: 53258: gap of 100 bp
 * 53259: 60667: contig of 7408 bp in length
 * 60667: 60766: gap of 100 bp

Matched	Best local similarity	Length	Prod No	Prod No	Matches
22	similarity: 0	0	Mismatches	3	Indels
					0
					Gaps
					0
					Organism
					RESULT 15
			CC016175/c	AC016175/c	4238
					5205 5304: gap of 100 bp
					5305 6225: contig of 951 bp in length
					6256 6355: gap of 100 bp
					6356 7315: contig of 960 bp in length
			b 165061	rrcccccaaaaaatccctttt 165037	7316 7415: gap of 100 bp
					7416 8363: contig of 948 bp in length
					8364 8463: gap of 100 bp
					8464 9416: contig of 945 bp in length
					9417 9516: gap of 100 bp in length
					9517 10473: contig of 957 bp in length
			AC016175/c	AC016175/c	10474 10573: gap of 100 bp
					10574 11624: contig of 948 bp in length
					11625 12655: contig of 941 bp in length
					12566 12655: gap of 100 bp
					12656 13609: contig of 944 bp in length
					13610 13709: gap of 100 bp
					13710 14666: contig of 948 bp in length
					14667 14766: gap of 100 bp
					14767 15743: contig of 977 bp in length
					15744 15813: gap of 100 bp
					15844 16791: contig of 948 bp in length
					16792 16891: gap of 100 bp
					16892 17843: contig of 952 bp in length
					17844 17943: gap of 100 bp
					17944 18920: contig of 977 bp in length
					18921 19000: gap of 100 bp
					19021 19953: contig of 933 bp in length
					19954 20053: gap of 100 bp
					20054 20793: contig of 926 bp in length
					20794 21094: gap of 100 bp
					21095 22016: contig of 937 bp in length
					22017 22117: gap of 100 bp
					22117 23065: contig of 943 bp in length
					23066 23166: gap of 100 bp
					23166 24107: contig of 942 bp in length
					24108 24207: gap of 100 bp
					24208 25126: contig of 919 bp in length
					25127 25127: gap of 100 bp
					25227 26188: contig of 980 bp in length
					26187 26287: gap of 100 bp
					26287 27243: contig of 954 bp in length
					27241 27310: gap of 100 bp
					27311 28310: contig of 969 bp in length
					28310 28459: gap of 100 bp
					28410 29364: contig of 955 bp in length
					29365 29464: contig of 100 bp
					29465 30435: contig of 971 bp in length
					30436 30535: gap of 100 bp
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					31177 31576: gap of 100 bp
					31577 32532: contig of 956 bp in length
					32533 32632: gap of 100 bp
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					33592 33631: gap of 100 bp
					33632 34636: contig of 945 bp in length
					34637 34736: gap of 100 bp
					34737 35689: contig of 953 bp in length
					35690 35789: gap of 100 bp
					35790 36751: contig of 962 bp in length
					36752 36851: gap of 100 bp
					36852 37789: contig of 938 bp in length
					37790 37887: gap of 100 bp
					37890 38859: contig of 970 bp in length
					38860 38959: gap of 100 bp
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					39865 39964: gap of 100 bp
					39965 40924: contig of 960 bp in length
					40925 41024: gap of 100 bp
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					41991 42090: gap of 100 bp
					42091 43000: contig of 912 bp in length

Search completed: January 14, 2003, 14:08:57
 Job time : 325.313 secs

Query	Match	Score	Length	DB	2
best local similarity	76,28;	19	bp		
Matrices	21;	proc. No.	3,80'02;	length	9,5445;
constitutive	0;	Mismatches	2;	Indels	0;
UV	3	Translators	0;	Gaps	0;
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43103	44051;	contig of 94,9 bp	in	length	
44052	44151;	gap ot	100	bp	
44152	45094;	contig ot 94,8 bp	in	length	
45090	45189;	gap ot	100	bp	
45190	46135;	contig of 94,6 bp	in	length	
46146	46235;	gap ot	100	bp	
46236	47158;	contig ot 93,3 bp	in	length	
47169	47268;	gap ot	100	bp	
47269	48208;	contig ot 94,0 bp	in	length	
48203	48308;	gap ot	100	bp	
48309	49276;	contig of 96,8 bp	in	length	
49277	49476;	gap ot	100	bp	
49477	50354;	contig ot 95,8 bp	in	length	
50335	50434;	gap ot	100	bp	
50435	51318;	contig ot 98,2 bp	in	length	
51317	51416;	gap ot	100	bp	
51417	52392;	contig of 97,6 bp	in	length	
52393	52412;	gap ot	100	bp	
52414	53398;	contig of 90,6 bp	in	length	
53399	53498;	gap ot	100	bp	
54499	54459;	contig ot 96,1 bp	in	length	
54460	54559;	gap ot	100	bp	
54560	55516;	contig of 95,7 bp	in	length	
55517	55616;	gap ot	100	bp	
55617	55675;	contig of 95,9 bp	in	length	
55676	55675;	gap ot	100	bp	
56676	567648;	contig ot 96,4 bp	in	length	
57649	57738;	gap ot	100	bp	
57739	58706;	contig of 96,8 bp	in	length	
58707	58806;	gap ot	100	bp	
58807	59737;	contig of 93,1 bp	in	length	
59738	59837;	gap ot	100	bp	
59838	60776;	contig ot 93,9 bp	in	length	
60777	60876;	gap ot	100	bp	
60877	61862;	contig of 98,6 bp	in	length	
61863	61962;	gap ot	100	bp	
61963	62954;	contig of 99,2 bp	in	length	
62955	63054;	gap ot	100	bp	
63056	63951;	contig ot 89,7 bp	in	length	
64952	64051;	gap ot	100	bp	
64052	65003;	contig of 95,2 bp	in	length	
65004	65103;	gap ot	100	bp	
65104	66057;	contig of 95,4 bp	in	length	
66058	66157;	gap ot	100	bp	
66159	67112;	contig ot 95,5 bp	in	length	
67113	67212;	gap ot	100	bp	
67213	68176;	contig of 96,4 bp	in	length	
68177	68276;	gap ot	100	bp	
68277	69207;	contig of 93,1 bp	in	length	
69208	69307;	gap ot	100	bp	
69308	70208;	contig ot 89,6 bp	in	length	
70204	70304;	gap ot	100	bp	
70304	71235;	contig of 93,2 bp	in	length	
71236	71335;	gap ot	100	bp	
71336	72289;	contig of 95,4 bp	in	length	
72290	72409;	gap ot	100	bp	
72409	73364;	contig of 97,4 bp	in	length	
73364	73464;	gap ot	100	bp	
74464	74456;	contig of 99,3 bp	in	length	
74457	74556;	gap ot	100	bp	
74557	75492;	contig of 94,6 bp	in	length	
75493	75562;	gap ot	100	bp	
75593	76525;	contig of 93,3 bp	in	length	

Query Match
 best local similarity 76,28; Score 19,8; DB 2; length 9,5445;
 Matrices 21; constitutive 0; Mismatches 2; Indels 0; Gaps 0;
 UV 3; Translators 0;
 DB 6,3444; length 9,5445;
 length 9,5445;